BBA

Biomembranes

Vol. 1067, 1991

Cumulative Contents

Regular Papers

Localization of regions of the *Torpedo californica* nicotinic acetylcholine receptor labeled with an aryl azide derivative of phosphatidylserine
M.P. Blanton and H.H. Wang (U.S.A.) 1

Studies on the anion binding selectivity of sarcoplasmic reticulum membranes by ^{35}Cl-NMR
I.R. Vetter, H. Hanssum and H.G. Bäumert (F.R.G.) 9

The influence of acyl chain-length asymmetry on the phase transition parameters of phosphatidylcholine dispersions
H.-n. Lin, Z.-q. Wang and C.-h. Huang (U.S.A.) 17

Evidence for net uptake and efflux of mitochondrial coenzyme A
A.G. Tahiliani (U.S.A.) 29

Reconstitution and partial purification of an amiloride-sensitive, cation channel from rabbit kidney
G.V. Desir (U.S.A.) 38

The Hofmeister effect in relation to membrane lipid phase stability
P.W. Sanderson, L.J. Lis, P.J. Quinn and W.P. Williams (U.K.) 43

Characterisation of the effects of anthranilic and (indanyloxy)acetic acid derivatives on chloride transport in membrane vesicles
A.J. Pope, S.K. Richardson, R.J. Ife and D.J. Keeling (U.K.) 51

Group-selective reagent modification of the sodium- and chloride-coupled glycine transporter under native and reconstituted conditions
R. Alcántara, B. López-Corcuera and C. Aragón (Spain) 64

Visualization of exocytotic secretory processes of mast cells by fluorescence techniques
Y. Kawasaki, T. Saitoh, T. Okabe, K. Kumakura and M. Ohara-Imaizumi (Japan) 71

Net phosphate transport in phosphate-starved *Candida utilis*: relationships with pH and K^+
R.M. Bourne (Australia) 81

Affinity-chromatographic purification of sixteen cysteine-substituted maltoporin variants: thiol reactivity and cross-linking in an outer membrane protein of *Escherichia coli*
G. Francis, L. Brennan and T. Ferenci (Australia) 89

Ischemia/reperfusion-induced changes in membrane fluidity characteristics of brain capillary endothelial cells and its prevention by liposomal-incorporated superoxide dismutase
A.M. Phelan and D.G. Lange (U.S.A.) 97

Regular Papers

Membrane vesicles in the study of transport processes: a critical analysis of the experimental procedure
F. Andrietti, V.F. Sacchi, A. Della Torre Piccinelli and S. Magagnin (Italy) 103

Influence of phloretin and alcohols on barrier defects in the erythrocyte membrane caused by oxidative injury and electroporation
B. Deuticke, P. Lütkemeier and B. Poser (F.R.G.) 111

Both Na^+ and Cl^- gradients energize NaCl/L-glutamate cotransport in lobster hepatopancreatic brush border membrane vesicles
L.M. Balon and G.A. Ahearn (U.S.A.) 123

pH-dependent lipid packing, membrane permeability and fusion in phosphatidylcholine vesicles
S. Massari, E. Folena, V. Ambrosin, G. Schiavo and R. Colonna (Italy) 131

Changes of the compositional asymmetry of phospholipids associated to the increment in the membrane surface potential
J. Cerbón and V. Calderón (Mexico) 139

Uptake and endocytic pathway of transferrin and iron in perfused rat liver
H. Goldenberg, C. Seelos, S. Chatwani, S. Chegini and R. Pumm (Austria) 145

Phase transition of dimyristoylphosphatidylglycerol bilayers induced by electric field pulses
M. Thürk and D. Porschke (Germany) 153

A study on peroxidative damage of the porcine intestinal brush-border membranes using a fluorogenic thiol reagent, *N*-(1-pyrene)maleimide
T. Ohyashiki, N. Sakata, K. Kamata and K. Matsui (Japan) 159

The ionic channels formed by cholera toxin in planar bilayer lipid membranes are entirely attributable to its B-subunit
O.V. Krasilnikov, J.N. Muratkhodjaev, S.E. Voronov and Y.V. Yezepchuk (U.S.S.R.) 166

Comparisons of steady-state anisotropy of the plasma membrane of living cells with different probes
J.M. Collins and W.M. Grogan (U.S.A.) 171

Active and monomeric human red cell glucose transporter after high performance molecular-sieve chromatography in the presence of octyl glucoside and phosphatidylserine or phosphatidylcholine
P. Lundahl, E. Mascher, L. Andersson, A.-K. Englund, E. Greijer, K. Kameyama and T. Takagi (Sweden, Japan) 177

2,2,4-Trimethylpentane induces Ca^{2+} release from the sarcoplasmic reticulum terminal cisterns
V.B. Ritov and E.V. Men'shikova (U.S.S.R.) 187

Characterisation of Ca^{2+} or Mg^{2+}-dependent nucleoside triphosphatase from rat mesenteric small arteries
L. Plesner, B. Juul, E. Skriver and C. Aalkjær (Denmark) 191

Nucleotide hydrolytic activity of isolated intact rat mesenteric small arteries
B. Juul, M.E. Lüscher, C. Aalkjær and L. Plesner (Denmark) 201

Orientation of carotenoids in the outer membrane of *Synechocystis* PCC 6714 (Cyanobacteria)
U.J. Jürgens and W. Mäntele (F.R.G.) 208

Purification of a K^+-channel protein of sarcoplasmic reticulum by assaying the channel activity in the planar lipid bilayer system
T. Ide, T. Morita, T. Kawasaki, T. Taguchi and M. Kasai (Japan) 213

Erythrocyte aggregation: bridging by macromolecules and electrostatic repulsion by sialic acid
Y. Izumida, A. Seiyama and N. Maeda (Japan) 221

The effect of cytoplasmic K^+ on the activity of the Na^+/K^+-ATPase
F. Cornelius and J.C. Skou (Denmark) 227

Comparative electrophysiological study of reconstituted giant vesicle preparations of the rabbit skeletal muscle sarcoplasmic reticulum K^+ channel
N. Hirashima, H. Ishibashi and Y. Kirino (Japan) 235

The effects of density fluctuations on the partitioning of foreign molecules into lipid bilayers: Application to anaesthetics and insecticides
K. Jørgensen, J.H. Ipsen, O.G. Mouritsen, D. Bennett and M.J. Zuckermann (Denmark, Canada) 241

Rapid Reports

ATP synthase complex from bovine heart mitochondria: The oligomycin sensitivity conferring protein is essential for dicyclohexyl carbodiimide-sensitive ATPase
S. Joshi and Y. Huang (U.S.A.) 255

Evidence for the activity of a phospholipid exchange protein in vivo
R.G. Sleight and K. Hopper (U.S.A.) 259

Cumulative Contents Vol. 1067 265

Author Index 267